

CLAIMS

What we claim:

1. A method for delivering information to information targets within a computing environment having multiple platforms, comprising:
 - a) extracting information from an information source;
 - b) transforming the extracted information;
 - c) isolating the transformed information by wrapping the transformed information into a message envelope having a standard format;
 - d) delivering the message envelope to a router on a platform;
 - e1) where the message envelope is targeted to an information target on the same platform as the router, routing the message envelope to at least one information target on the same platform;
 - e2) where the message envelope is targeted to an information target on a different platform than the router, routing the message envelope to a second router acting as a router broker; the router broker then routing the message envelope to at least a third router located on the platform with an information target; the third router routing the message envelope to at least one information target on its platform;
 - (f) unwrapping the message envelope to reveal the transformed information; and loading the transformed information into the information target,wherein the extraction, transformation, and isolating steps (a)-(c), respectively, are isolated from the routing steps (e) such that the extraction, transformation, and isolating steps may be executed simultaneously for a plurality of information sources distributed across the computing environment to produce a plurality of message envelopes and wherein the subsequent steps are repeated for each of the plurality of message envelopes.

2. A method for delivering information to information targets within a computing environment having multiple platforms, comprising:

- a) extracting information from an information source;
- b) transforming the extracted information;
- c) wrapping the transformed information into a message envelope having a standard format;
- d) delivering the message envelope to a router on a platform;
- e1) where the message envelope is targeted to an information target on the same platform as the router, routing the message envelope to at least one information target on the same platform;
- e2) where the message envelope is targeted to an information target on a different platform than the router, routing the message envelope to a second router acting as a router broker; the router broker and then routing the message envelope to at least a third router located on the platform with an information target; the third router routing the message envelope to at least one information target on its platform; routing the message envelope to at least one information target;
- f) unwrapping the message envelope to reveal the information received;
- g) mapping the received information to a format required by the information target;
- h) transforming the received information; and
- i) loading the received information into the information target,

wherein the extraction, transformation, and wrapping steps (a)-(c), respectively, are isolated from the routing steps (e) such that the extraction, transformation, and wrapping steps may be executed simultaneously for a plurality of information sources distributed across the computing environment to produce a plurality of message envelopes and wherein the routing, unwrapping, mapping, transformation, and loading steps (d)-(i), respectively, are repeated for each of the plurality of message envelopes.

3. The method of claim 2 wherein the information is pulled from the source during the extracting step (a).
4. The method of claim 2 wherein the information is pushed from the source during the extracting step (a).
5. The method of claim 2 wherein the information extracted during step (a) comprises content changes to the source information at the time step (a) is performed as compared to the source information at a previous point in time.
6. The method of claim 2 wherein transforming the extracted information during step (b) further comprising applying one or more business rules to modify the extracted information.
7. The method of claim 2 wherein the message envelope further comprises an identification of the information source, a content definition identification and the content of the transformed information.
8. The method of claim 2 further comprising after unwrapping the message envelope, filtering the transformed information prior to loading the transformed information.
9. The method of claim 2 further comprising after unwrapping the message envelope, aggregating a plurality of transformed information and loading the aggregation of transformed information into the information target as a batch.
10. The method of claim 2 wherein the information target comprises a data warehouse and a data mart.

11. A method for delivering information from a plurality of information sources to a plurality of information targets within a computing environment, comprising:
 - a) extracting information from a first and a second information source;
 - b) publishing the information from the first and the second information source to a first and a second source spoke corresponding to the first and second information source;
 - c) routing the information emerging from the first and second source spoke to a first target spoke;
 - d) combining the information from the first information source with the information from the second source;
 - e) publishing the combined information through the first target spoke now acting as a third source spoke.
12. The method of claim 11, further comprising:
 - f) routing the information from the third source spoke to a second target spoke;
 - g) receiving the information traveling through the second target spoke at a second information target which had subscribed to the combined information.
13. The method of claim 12, wherein the actions f) and g) comprise:
 - f) routing the information from the third source spoke to a plurality of target spokes;
 - g) receiving the information traveling through the plurality of target spokes at a plurality of information targets corresponding to the plurality of spokes which had subscribed to the combined information.
14. The method of claim 11 wherein the information is pulled from the sources during the extracting step (a).
15. The method of claim 11 wherein the information is pushed from the sources during the extracting step (a).

16. A method for delivering information to information targets within a computing environment having multiple platforms, comprising:

- a) extracting information from an information source;
- b) transforming the extracted information;
- c) isolating the transformed information by wrapping the transformed information into a message envelope having a standard format;
- d) delivering the message envelope to a router on a platform;
- e1) where the message envelope is targeted to an information target on the same platform as the router, routing the message envelope to at least one information target on the same platform;
- e2) where the message envelope is targeted to an information target on a different platform than the router, routing the message envelope to a second router acting as a router broker;
- e2a) where the message envelope is targeted to an information target on the same platform as the second router, routing the message envelope to at least one information target on the same platform;
- e2b) where the message envelope is targeted to an information target on a different platform than the second router, routing the message envelope to a third router located on the platform with the information target; the third router routing the message envelope to at least one information target on its platform;
- (f) unwrapping the message envelope to reveal the transformed information; and loading the transformed information into the information target,

wherein the extraction, transformation, and isolating steps (a)-(c), respectively, are isolated from the routing steps (e) such that the extraction, transformation, and isolating steps may be executed simultaneously for a plurality of information sources distributed across the computing environment to produce a plurality of message envelopes and wherein the subsequent steps are repeated for each of the plurality of message envelopes.

17. A method for delivering information to information targets within a computing environment having multiple platforms, comprising:

- a) extracting information from an information source;
- b) transforming the extracted information;
- c) wrapping the transformed information into a message envelope having a standard format;
- d) delivering the message envelope to a router on a platform;
- e1) where the message envelope is targeted to an information target on the same platform as the router, routing the message envelope to at least one information target on the same platform;
- e2) where the message envelope is targeted to an information target on a different platform than the router, routing the message envelope to a second router acting as a router broker;
- e2a) where the message envelope is targeted to an information target on the same platform as the second router, routing the message envelope to at least one information target on the same platform;
- e2b) where the message envelope is targeted to an information target on a different platform than the second router, routing the message envelope to a third router located on the platform with the information target; the third router routing the message envelope to at least one information target on its platform;
- f) unwrapping the message envelope to reveal the information received;
- d) mapping the received information to a format required by the information target;
- e) transforming the received information; and
- f) loading the received information into the information target,

wherein the extraction, transformation, and wrapping steps (a)-(c), respectively, are isolated from the routing steps (e) such that the extraction, transformation, and wrapping steps may be executed simultaneously for a plurality of information sources distributed

across the computing environment to produce a plurality of message envelopes and wherein the routing, unwrapping, mapping, transformation, and loading steps (d)-(i), respectively, are repeated for each of the plurality of message envelopes.

18. The method of claim 17 wherein the information is pulled from the source during the extracting step (a).
19. The method of claim 17 wherein the information is pushed from the source during the extracting step (a).
20. The method of claim 17 wherein transforming the extracted information during step (b) further comprising applying one or more business rules to modify the extracted information.